ELSEVIER

Artificial Intelligence in Medicine 7 (1995) 583–585

Artificial Intelligence in Medicine

Author index to volume 7 (1995)

Abu-Hanna, A., *see* **van Heijst, G.** 227
Adlassnig, K.-P. and W. Horak, Development and retrospective evaluation of HEPAXPERT-I: a routinely-used expert system for interpretive analysis of hepatitis A and B serologic findings 1
Alonso-Betanzos, A., B. Guijarro-Berdiñas, V. Moret-Bonillo and S. López-González, The NST-EXPERT project: the need to evolve 297
Amra, N.K., *see* **Smith, Jr., J.W.** 201
Arocha, J.F., *see* **Patel, V.L.** 413

Banks, G., *see* **Buchanan, B.G.** 117
Battaglia, M., *see* **Starita, A.** 25
Bayazitoglu, A., *see* **Smith, Jr., J.W.** 201
Bellazzi, R., C. Siviero, M. Stefanelli and G. De Nicolao, Adaptive controllers for intelligent monitoring 515
Blomqvist, H., *see* **Shahsavar, N.** 37
Boisvieux, J.F., *see* **Séroussi, B.** 155
Buchanan, B.G., J.D. Moore, D.E. Forsythe, G. Carenini, S. Ohlsson and G. Banks, An intelligent interactive system for delivering individualized information to patients 117

Carenini, G., *see* **Buchanan, B.G.** 117
Cathers, I., Neural network assisted cardiac auscultation 53
Choo, L.-P., *see* **Pizzi, N.** 67
Cioni, R., *see* **Starita, A.** 25

De Nicolao, G., *see* **Bellazzi, R.** 515
Dreyfus, F., *see* **Séroussi, B.** 155

Engeström, Y., Objects, contradictions and collaboration in medical cognition: an activity-theoretical perspective 395
Eriksson, H., *see* **Tu, S.W.** 257

Falasconi, S., *see* **van Heijst, G.** 227
Forsythe, D.E., *see* **Buchanan, B.G.** 117

Gennari, J.H., *see* **Tu, S.W.** 257
Gill, H., *see* **Shahsavar, N.** 37
Giordano, A., *see* **Starita, A.** 25
Guijarro-Berdiñas, B., *see* **Alonso-Betanzos, A.** 297

Haimowitz, I.J., P.P. Le and I.S. Kohane, Clinical monitoring using regression-based trend templates 473
Halliday, W.C., *see* **Pizzi, N.** 67
Horak, W., *see* **Adlassnig, K.-P.** 1

Jackson, M., *see* **Pizzi, N.** 67
Johnson, K.A., *see* **Smith, Jr., J.W.** 201
Johnson, T.R., *see* **Smith, Jr., J.W.** 201

Kaplan, B., Objectification and negotiation in interpreting clinical images: implications for computer-based patient records 439
Kaufman, D.R., *see* **Patel, V.L.** 413
Kohane, I.S., *see* **Haimowitz, I.J.** 473

Le, P.P., *see* **Haimowitz, I.J.** 473
López-González, S., *see* **Alonso-Betanzos, A.** 297
Ludwigs, U., *see* **Shahsavar, N.** 37

Majidi, D., *see* **Starita, A.** 25
Mansfield, J., *see* **Pizzi, N.** 67
Mantsch, H.H., *see* **Pizzi, N.** 67
Matell, G., *see* **Shahsavar, N.** 37
Moore, J.D., *see* **Buchanan, B.G.** 117
Moret-Bonillo, V., *see* **Alonso-Betanzos, A.** 297
Morice, V., *see* **Séroussi, B.** 155
Musen, M.A. and A.Th. Schreiber, Architectures for intelligent systems based on reusable components 189
Musen, M.A., *see* **Tu, S.W.** 257

Ohlsson, S., *see* **Buchanan, B.G.** 117

Papagounos, G., *see* **Spyropoulos, B.** 455
Patel, V., *see* **Ramoni, M.** 541
Patel, V.L., D.R. Kaufman and J.F. Arocha, Steering through the murky waters of a scientific conflict: situated and symbolic models of clinical cognition 413
Pearl, J., Causal inference from indirect experiments 561
Pizzi, N., L.-P. Choo, J. Mansfield, M. Jackson, W.C. Halliday, H.H. Mantsch and R.L. Somorjai, Neural network classification of infrared spectra of control and Alzheimer's diseased tissue 67

Ramoni, M., A. Riva, M. Stefanelli and V. Patel, An ignorant belief network to forecast glucose concentration from clinical databases 541
Riva, A., *see* **Ramoni, M.** 541
Rogers, E., VIA-RAD: a blackboard-based system for diagnostic radiology 343
Russ, T.A., Use of data abstraction methods to simplify monitoring 497

Schreiber, A.Th., *see* **Musen, M.A.** 189
Schreiber, G., *see* **van Heijst, G.** 227
Séroussi, B., V. Morice, F. Dreyfus and J.F. Boisvieux, Control theory as a conceptual framework for intensive care monitoring 155
Shahar, Y., *see* **Tu, S.W.** 257
Shahsavar, N., U. Ludwigs, H. Blomqvist, H. Gill, O. Wigertz and G. Matell, Evaluation of a knowledge-based decision-support system for ventilator therapy management 37
Siregar, P. and P. Toulouse, Model-based diagnosis of brain disorders: a prototype framework 315
Siviero, C., *see* **Bellazzi, R.** 515
Smith, Jr., J.W., A. Bayazitoglu, T.R. Johnson, K.A. Johnson and N.K. Amra, One framework, two systems: flexible abductive methods in the problem-space paradigm applied to antibody identification and biopsy interpretation 201
Somorjai, R.L., *see* **Pizzi, N.** 67

Spyropoulos, B. and G. Papagounos, A theoretical approach to artificial intelligence systems in medicine 455
Starita, A., D. Majidi, A. Giordano, M. Battaglia and R. Cioni, NEUREX: a tutorial expert system for the diagnosis of neurogenic diseases of the lower limbs 25
Stefanelli, M., *see* **van Heijst, G.** 227
Stefanelli, M., *see* **Bellazzi, R.** 515
Stefanelli, M., *see* **Ramoni, M.** 541

Timpka, T., Situated clinical cognition 387
Tong, D.A., *see* **Widman, L.E.** 361
Toulouse, P., *see* **Siregar, P.** 315
Tu, S.W., H. Eriksson, J.H. Gennari, Y. Shahar and M.A. Musen, Ontology-based configuration of problem-solving methods and generation of knowledge-acquisition tools: application of PROTÉGÉ-II to protocol-based decision support 257

Van Heijst, G., S. Falasconi, A. Abu-Hanna, G. Schreiber and M. Stefanelli, A case study in ontology library construction 227

Widman, L.E. and D.A. Tong, An algorithm for complete enumeration of the mechanisms of supraventricular tachycardias that use multiple atrioventricular, AV nodal, and/or Mahaim pathways 361
Wigertz, O., *see* **Shahsavar, N.** 37
Wolfram, D.A., An appraisal of INTERNIST-I 93

ELSEVIER

Artificial Intelligence in Medicine 7 (1995) 587–588

Artificial Intelligence in Medicine

Subject index to volume 7 (1995)

Activity systems 395
Activity theory 395
Adaptive controller 515
Alzheimer's disease 67
Antenatal diagnosis and prognosis 297
Arrhythmia 361
Artificial intelligence 53
Artificial neural networks 67
Auscultation 53

Bayesian belief networks 541
Blackboard architecture 343

Cardiovascular models 361
Causal reasoning 561
Clinical decision-making 387
Clinical imaging 439
Clinical information systems 387, 439
Cognitive psychology 413
Computer simulation 361
Concept of health 455
Conceptual graphs 25
Constraint-based reasoning 473
Control theory of dynamic systems 155
Cooperative decision-making assistance 343
CPCS 93

Decision support 257
Decision-support systems 37, 455
Decision support techniques 361
Deep and shallow knowledge 315
Diabetes mellitus 515
Diagnosis 25, 473
Diagnostic assistant 93
Diagnostic expert system 93
Diagnostic radiology 343
Discriminant analysis 67
Doctor–patient interaction 395

Electroencephalography 315
Electronic textbook 93
EMG-assistant 25
Epilepsy 315
Evaluation 37
Expert systems 25, 37, 257, 361, 497
Expert system validation 297
Explanation 117

Flexible methods 201

Graphical models 561

Heart conduction system 361
Hepatitis A and B serology 1
HEPAXPERT-I 1
Hybrid systems 297

Information systems development 395
Infrared spectroscopy 67
Insulin dependent diabetes mellitus 541
Intelligent monitoring 515
Intelligent systems 343
Intensive care 497
Intensive care unit 473
Internal medicine 93
INTERNIST-I 93

Knowledge acquisition 257
Knowledge-based systems 227, 473
Knowledge-base validation 37
Knowledge representation 361
Knowledge sharing 201

Laboratory interpretive system 1
Library 227

Machine learning 541
Medical cognition 413
Medical decision theory 455
Medical expert system 1
Medical expert systems 297
Medical informatics 117
Medical knowledge-base 155
Medical knowledge-based systems 455

Model-based diagnosis 315
Model-based diagnosis/reasoning 361
Monitoring 473
Multivariate regression 473

Natural language generation 117
Neural networks 53
Noncompliance 561

Oncology protocols 155
Ontology 227

PACS 439
Patient education 117
Patient information needs 117
Patient monitoring 155, 497
Pediatrics 473
Perception and problem-solving 343
Phonocardiography 53

QMR 93

Radiology 439
Reusability 227
Reusable components 201

Situated clinical cognition 387, 395
Situated theories 413
State variables 155
Symbolic framework 413
System evaluation 117

Task-specific architectures 201
Temporal reasoning 473, 497
Theories of cognition 387
Treatment evaluation 561
Tutor ability 25

Uncertainty reasoning 473
User interface design 297

Validation 37
Ventilator therapy 37